



US Army Corps
of Engineers
Chicago District

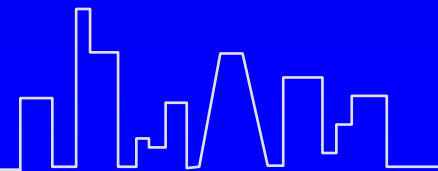


Aquatic Ecosystem Restoration

Eugene Field

Chicago, Illinois

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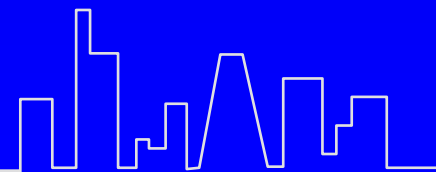




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Eugene Field Aquatic Ecosystem Restoration Project

- **Background**
- **Objectives**
- **Constraints**
- **Proposed Plan**
- **Benefits**
- **Coordination**
- **Schedule**

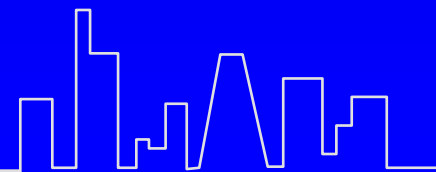




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Corps: Water Resource Missions and Programs

- **Water Resources and Development Agency**
- **Types of water resource problems and opportunities**
 - Navigation
 - Flood damage reduction
 - Ecosystem restoration
 - Water supply
 - Water quality control



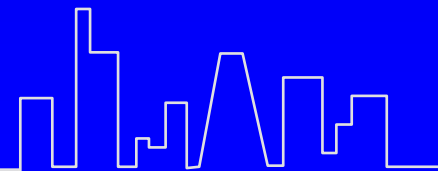


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Programs:

Ways the Corps can Help

- **Specifically Authorized Projects**
 - Congress provides the Corps a first authorization to accomplish the feasibility study and a second, separate authorization to construct the project.
 - No Federal cost limitations
- **Continuing Authorities Program (CAP) Projects**
 - Congress provided the Corps with authorities to study and construct projects.
 - Specific Federal cost limitations.
 - Can save development and approval time, and can permit quicker response time.
- **Both types of projects require local sponsor to share total project costs**

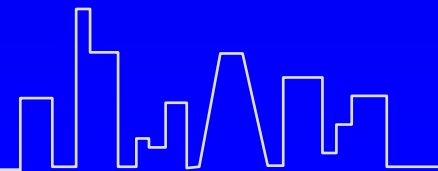




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CAP Authorities

- **Section 206, Aquatic Ecosystem Restoration**
- **Section 205, Flood Control**
- **Section 14, Emergency Streambank and Shoreline Restoration**
- **Section 1135, Project Modifications for Improvement of the Environment**

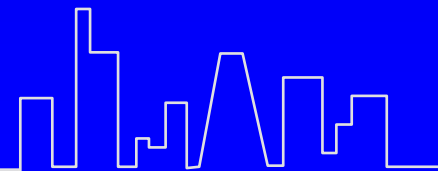




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Corps of Engineer Study Process

- **Reconnaissance Study** - preliminary study to determine if there is a solution to the water resource problems that has a federal interest.
- **Feasibility Study** - detailed study to fully define problems and opportunities, and determine if there is a feasible solution to the identified problems.

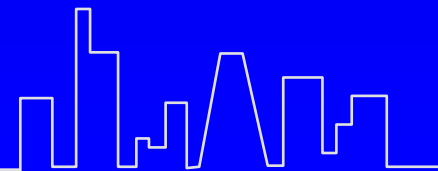




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Corps of Engineers Project Process

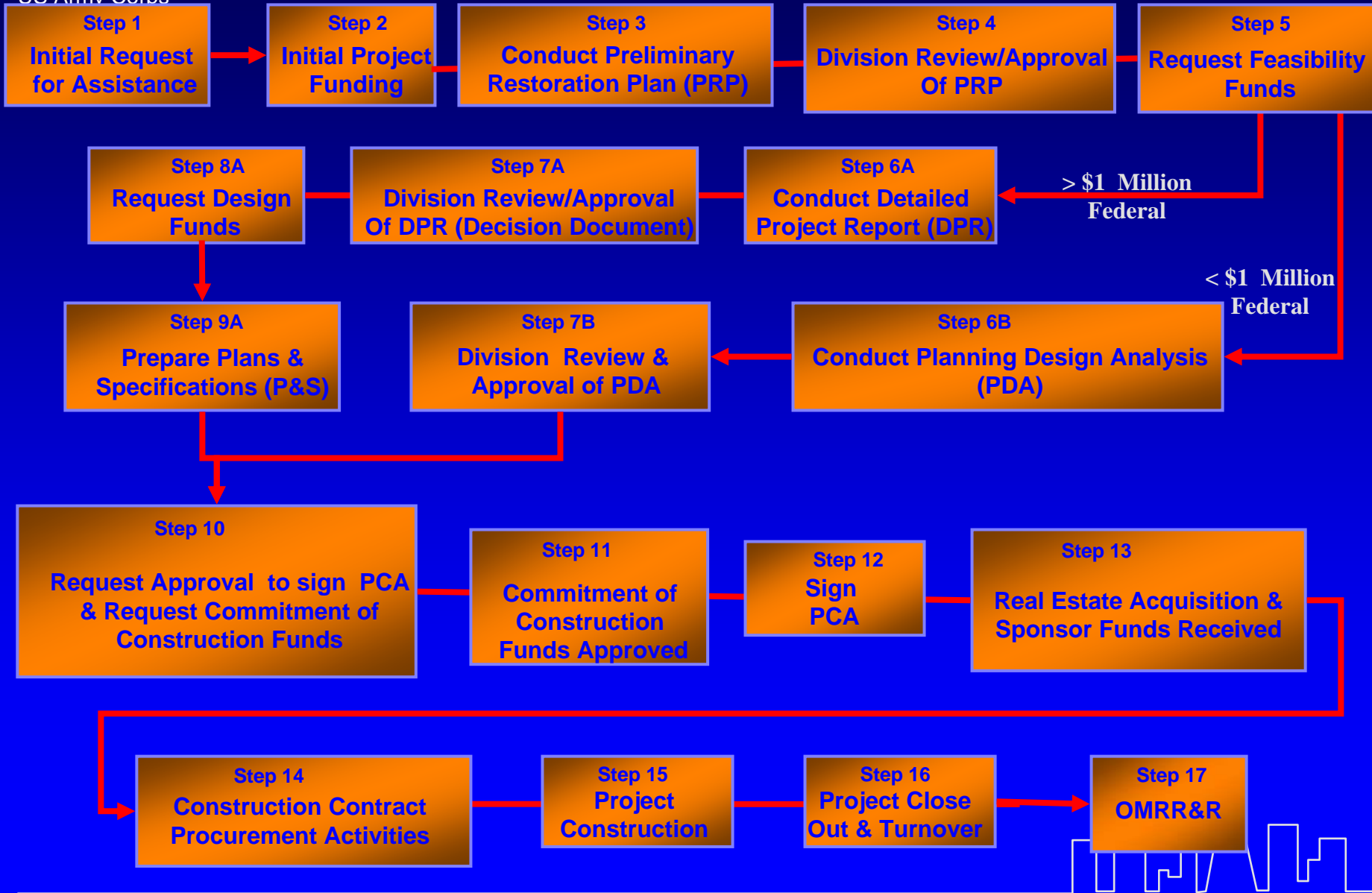
- **Design - develop plans and specifications**
- **Construction**
- **Project Turn Over & Fiscal Close Out**
- **Operation & Maintenance of the Project by Local Sponsor**





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CAP Section 206 Project Delivery Process



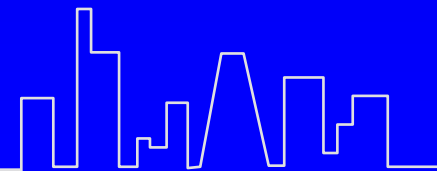


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Where We Are Now

- **Preliminary Restoration Plan approved (PRP) – September 3, 2003**
- **Initiated Planning Design Analysis (PDA)**
- **Sent Environmental Assessment out for 30-day Public Review Period – May 23, 2006**
- **Public Meeting – June 21, 2006**



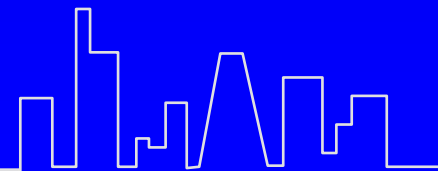


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Where We Are Going

- **Complete PDA**
- **Receive PDA approval**
- **Sign Project Cooperation Agreement (PCA)**
- **Receive Commitment of Federal Construction Funds**
- **Acquire Real Estate**



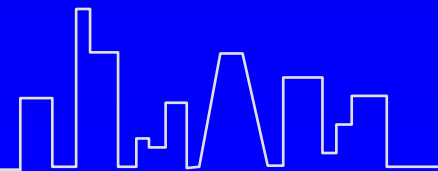


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Where We Are Going (cont'd)

- **Receive Local Sponsor Funds**
- **Procure & Award a Construction Contract**
- **Construction**
- **Project Close Out & Turnover**
- **Operation & Maintenance**

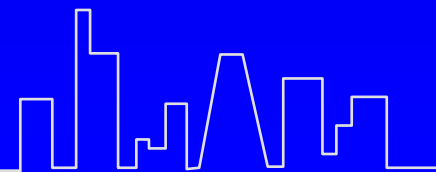




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Objectives

- **Restore wetlands**
- **Improve water quality**
- **Control exotic species**
- **Increase fish community diversity**
- **Increase plant community diversity**
- **Increase overall biodiversity**

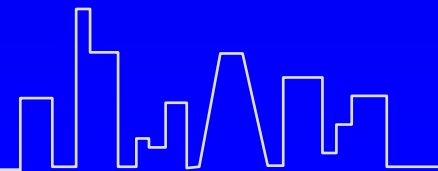




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Constraints

- **Funding limit under Continuing Authority Program**
 - Maximum Federal contribution of \$5 million
- **Amount of unnatural fill to remove**



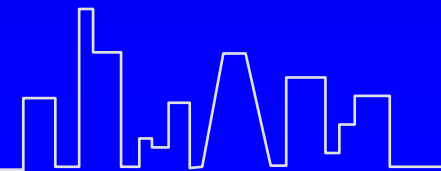


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Proposed Plan



- Restoration of 5.4 acres of habitat:
 - Riverine complexity
 - Emergent wetland
 - Mesic prairie
 - Oak savanna
- Restoration of 2,000 linear feet of stream bank
- Removal of unnatural fill
- Removal of non-native plants
- Re-establishment of hydric soils / wetlands
- Improvement of local water quality
- Improvement of recreation features

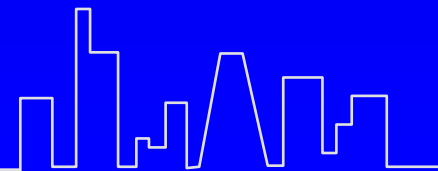




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Benefits

- Provides the most habitat benefits for the least cost
- Improves existing and re-establishes new aquatic, wetland, and upland habitat features
- Meets all project objectives
- Provides ecosystem benefits beyond the project area





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Coordination

- **Environmental Assessment sent out for 30 day public review period – May 23, 2006**
- **Public meeting – June 21, 2006**
- **Public Review Period Closes – June, 23 2006**



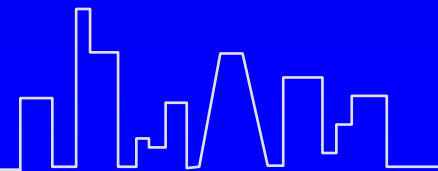


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Schedule

- **Submit PDA for Approval – August 2006**
- **Receive PDA approval – December 2006**
- **Sign PCA – January 2007**
- **Procure Construction Contract –January 2007**
- **Award Construction Contract – April 2007**
- **Initiate Construction –May 2007**

Note: Contingent upon receipt of construction funds in October 2006





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